

Name: \_\_\_\_\_ TP: \_\_\_\_\_

Failure to show work on all problems or use complete sentences will result in a LaSalle.

1) a. Find the solution set of  $|x| = 15$ .

$$\begin{array}{c|c} x=15 & x=-15 \\ \hline & \end{array}$$

b. Check your answers

2) a. What are the values that satisfy  $|x-3| = 15$ ?

$$\begin{array}{c|c} x-3=15 & x-3=-15 \\ \hline & \end{array}$$

b. Check your answers

3) a. What is the solution set of  $|2x| = 18$

$$\begin{array}{c|c} & \\ \hline & \end{array}$$

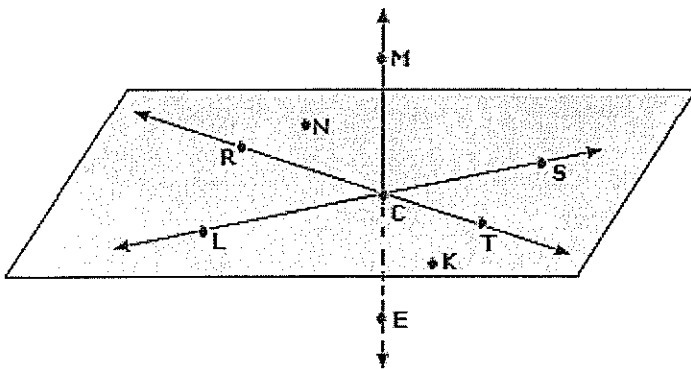
b. Check your answers

4) a. Find the solution set of  $|2x-1| = 18$

$$\begin{array}{c|c} & \\ \hline & \end{array}$$

b. Check your answers

5) Determine whether the following statements are true or false:



a. Points R, C and T are coplanar. \_\_\_\_\_

b. Line LS is the segment bisector of line ME. \_\_\_\_\_

c. Points N and K are non-coplanar. \_\_\_\_\_

There are 2 non-coplanar points M and E. \_\_\_\_\_

6) On a number line, point W is located at 3, X is located at -5, Y is located at -16, and Z is located at 11. What is the distance, in coordinate units, between points W and Z?

7) Find the solution set:  $|3x-1|=8$

$$\begin{array}{c|c} & \\ \hline & \end{array}$$

8) Find the solution set:  $|x+6|=2$

$$\begin{array}{c|c} & \\ \hline & \end{array}$$

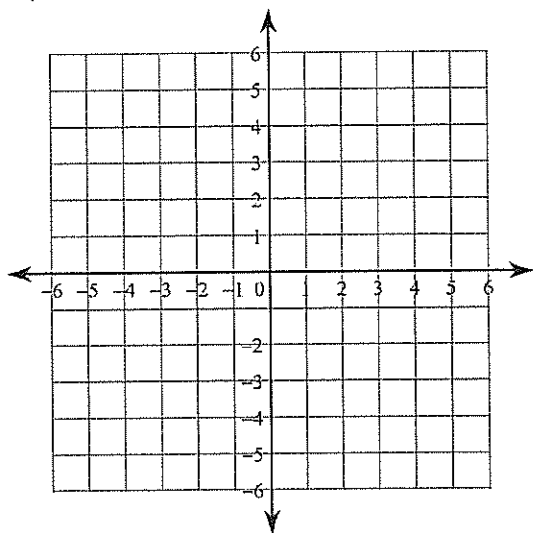
9) Segment AB measures  $3x + 25$  cm. Segment BC measures  $12x - 10$ . What is the measure of segment AB if AC is equal to 100 cm?

10) Rearrange the equation in slope-intercept form.

$$-2y = 8 + x$$

Y-intercept: \_\_\_\_\_ Slope: \_\_\_\_\_

Graph:

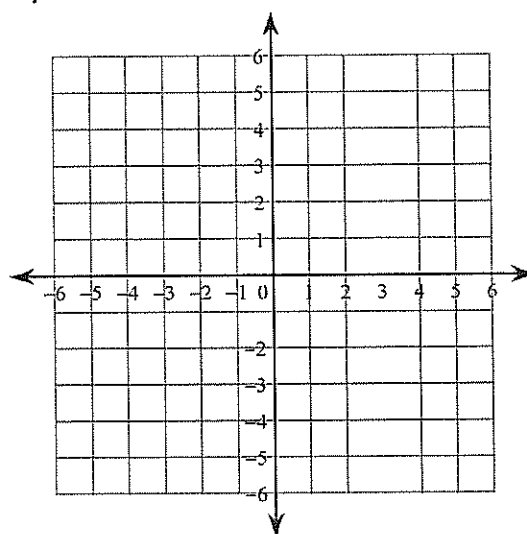


11) Rearrange the equation in slope-intercept form.

$$2x - y = 4 \quad 2x = 4 + y$$

Y-intercept: \_\_\_\_\_ Slope: \_\_\_\_\_

Graph:

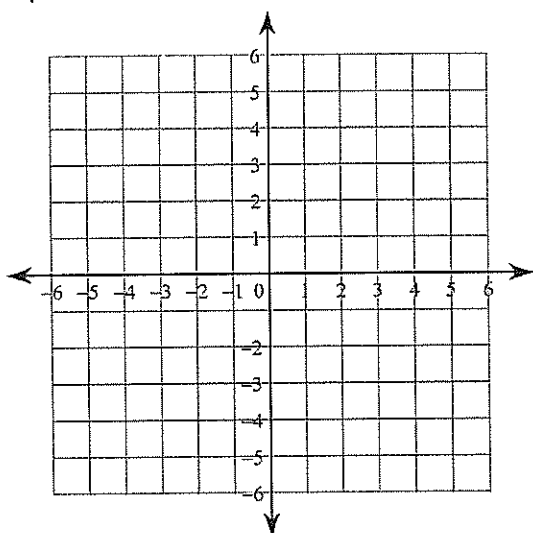


12) Rearrange the equation in slope-intercept form.

$$-6 = -5x - 3y \quad 3y = -5x + 6$$

Y-intercept: \_\_\_\_\_ Slope: \_\_\_\_\_

Graph:



13) Rearrange the equation in slope-intercept form.

$$16 = 10x + 4y \quad 4y = -10x + 16$$

Y-intercept: \_\_\_\_\_ Slope: \_\_\_\_\_

Graph:

